SEMINOLE COUNTY GOVERNMENT AGENDA MEMORANDUM

SUBJECT: FPL Right of Way Consent Agreement Lake Hayes

AUTHORIZED BY: John Cirello CONTACT: Patty Leviti EXT: 2132

MOTION/RECOMMENDATION:

Approve and authorize the Chairman to execute a Memorandum of Right-of-Way Consent Agreement and Right-of-Way Consent Agreement needed in conjunction with CIP Project "Consumer/Lake Hayes 24-Inch Water Transmission Main-Phase 2".

District 1 Bob Dallari Dennis Westrick

BACKGROUND:

As part of the Consumer/Lake Hayes 24-Inch Water Transmission Main-Phase 2 Project, a Consent Agreement from Florida Power and Light Company will be required for construction and future maintenance. Attached are the Memorandum of Right-of-Way Consent Agreement and Right-of-Way Consent Agreement with the Exhibits.

STAFF RECOMMENDATION:

Staff recommends the Board approve and authorize the Chairman to execute a Memorandum of Right-of-Way Consent Agreement and Right-of-Way Consent Agreement needed in conjunction with CIP Project "Consumer/Lake Hayes 24-Inch Water Transmission Main-Phase 2".

ATTACHMENTS:

1. FPL ROW Consent Agreement Consumers - Lake Hayes WTM-Ph II

Additionally Reviewed By:

County Attorney Review (Susan Dietrich)

This Instrument Prepared By: Brett Coomer - CRE/CSN Florida Power & Light Company P.O. Box 2851 Daytona Beach, FL 32120-2851

MEMORANDUM OF RIGHT-OF-WAY CONSENT AGREEMENT

THIS MEMORANDUM OF RIGHT-OF-WAY CONSENT AGREEMENT dated this day of, 2008, by and between SEMINOLE COUNTY, (hereinafter referred to as "Licensee"), and FLORIDA POWER & LIGHT COMPANY, a Florida corporation (hereinafter referred to as "Company").
WITNESSETH:
WHEREAS, on the day of, 2008, Company and Licensee entered into a written Right-of-Way Consent Agreement, hereinafter referred to as the "Agreement" related to certain property situated in the County of Seminole, State of Florida as more particularly set forth in said Agreement and described in Exhibit "A" attached hereto and made a part hereof and hereinafter referred to as the "Lands", and
WHEREAS, the parties are desirous of placing their interest therein as a matter of public record.
NOW THEREFORE, in consideration of the mutual covenants herein contained and the parties intending to be legally bound thereby, the parties hereto agree as follows:

- 1. The property described in Exhibit "A" is subject to a right-of-way in favor of Company recorded in O.R. Book 132 at Page 394, O.R. Book 133 at Page 236, O.R. Book 134 at Page 42, O.R. Book 143 at Page 251 and O.R. Book 183 at Page 127, Public Records of Seminole County, Florida.
- 2. The Agreement provides, among other things, Licensee's right to construct certain improvements upon the Lands including, but not limited to installation of a 24" water transmission main running parallel in southern most ten foot (10') of FPL easement as subject to certain conditions and restrictions.
- 3. The Agreement is assignable to purchasers of all or a portion of the Lands provided that the purchasers assume the obligations under the Agreement and specifically acknowledge and agree that the use of the property and improvements to be placed on the property are strictly limited to those items within easement from structures A35X5 A33X8 and B35X1 B33X8 and are otherwise subject to the terms of the Agreement.

IN WITNESS WHEREOF, the parties have executed this Memorandum of Agreement on the date hereinabove written.

Witnesses:	Company: FLORIDA POWER & LIGHT COMPANY		
Signature	By: Its: Corporate Real Estate Manager Print Name: J. T. Corson		
Name (Print):	Time Tumor <u>of Tr Conson</u>		
Signature			
Name (Print):			
	LICENSEE:		
ATTEST:	BOARD OF COUNTY COMMISSIONERS SEMINOLE COUNTY, FLORIDA		
	By:BRENDA CAREY, Chairman		
MARYANNE MORSE	BRENDA CAREY, Chairman		
Clerk to the Board of County Commissioners of			
Seminole County, Florida	Date:		
For the use and reliance	As authorized for execution by the Board of County		
of Seminole County only.	Commissioners at its, 2008, regular meeting.		
Approved as to form and legal sufficiency.			
County Attorney			

State of Florida)	
County of Palm Beach)ss:)	
personally appeared J. T. Company, a Florida corpo	. Corson, Corporation, person and acknowless	, 2008, before me, the undersigned Notary Public, porate Real Estate Manager of Florida Power & Light hally known to me to be the person who subscribed to ledged that he executed the same on behalf of said ized to do so.
In Witness Where	of, I hereunto	set my hand and official seal.
(seal)		NOTARY PUBLIC, STATE OF FLORIDA
		Print Name:
		Commission No.:
		My Commission Expires:
State of County of))ss: _)	
On thispublic, personally appeare known to me to be the pe	day of ed rson who subs	, 2008, before me, the undersigned notary personally scribed to the foregoing instrument and acknowledged f said corporation and that she was duly authorized to
	IEREOF, I her	reunto set my hand and official seal.
(seal)		NOTARY PUBLIC, STATE OF
		Print Name:
		Commission No.:
		My Commission Expires:

Exhibit A

Legal Description

A right- of- way 110 feet in width being more particularly described as the South 110 feet of Lot 111, Slavia Colony's Co's. Subdivision as recorded in Plat Book 2, Page 71, public records of Seminole County.

Also A right-of-way 110 feet in width being more particularly described as the South 110 feet of Lot 8, Slavia Colony's Co's. Subdivision as recorded in Plat Book 2, Page 71, public records of Seminole County, Florida.

Also A right-of-way 110 feet in width being more particularly described as the South 110 feet of the N½ of the NW¼ of Section 28, Township 21 South, Range 31 East, Seminole County, Florida.

Also A right-of-way 110 feet in width being more particularly described as the South 110 feet of the East 9 chains of the NW¼ of the NE¼ of Section 28, Township 21 South, Range 31 East, Seminole County, Florida.

Also A right-of-way 110 feet in width more particularly described as the South 110 feet of the N½ of the S½ of the NW¼ of the NW¼ of Section 27, Township 21 South, Range 31 East, Seminole County, Florida.

Line Name: Poinsett – Sanford 1, 2, & 3

Structure No.: A33X8 - A35X5 and B35X1 - B33X8

Section(s), Township, Range: 27-21S-31E, 28-21S-31E, 29-21S-31E

RIGHT-OF-WAY CONSENT AGREEMENT

FLORIDA POWER & LIGHT COMPANY, a Florida corporation, whose mailing address is P.O. Box 14000, Juno Beach, Florida 33408-0420, Attn: Corporate Real Estate Department hereinafter referred to as "Company", hereby consents to SEMINOLE COUNTY, whose mailing address is 1101 East First Street, Sanford, FL 32771 hereinafter referred to as "Licensee", using an area within Company's right-of-way granted by that certain agreement recorded in O.R. Book 132 at Page 394, O.R. Book 133 at Page 236, O.R. Book 134 at Page 42, O.R. Book 143 at Page 251, and O.R. Book 183 at Page 127, Public Records of Seminole County, Florida. The said area within, and located to the edge of, Company's right-of-way is hereinafter referred to as the "Lands". The use of the Lands by Licensee shall be solely for the purpose of installing 24" water transmission main running parallel in southern most ten feet (10') of FPL easement as shown on the plans and specifications submitted by Licensee and drawn by Rockett & Associates, c/o R. Kent Veech, P.E., dated September 2007, attached hereto as Exhibit "A".

In consideration for Company's consent and for the other mutual covenants set forth below, and for Ten Dollars and No Cents (\$10.00) and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the parties hereto agree as follows:

- 1. Licensee agrees to obtain all necessary rights from the owners of the Lands in the event Licensee does not own said Lands; to obtain any and all applicable federal, state, and local permits required in connection with Licensee's use of the Lands; and at all times, to comply with all requirements of all federal, state, and local laws, ordinances, rules and regulations applicable or pertaining to the use of the Lands by Licensee pursuant to this Agreement.
- Licensee understands and agrees that the use of the Lands pursuant to this Agreement is subordinate to the rights and interest of Company in and to the Lands and agrees to notify its employees, agents, and contractors accordingly. Company specifically reserves the right to maintain its facilities located on the Lands; to make improvements; add additional facilities; maintain, construct or alter roads; maintain any facilities, devices, or improvements on the Lands which aid in or are necessary to Company's business or operations; and the right to enter upon the Lands at all times for such purposes. Licensee understands that in the exercise of such rights and interest, Company from time-to-time may require Licensee, to relocate, alter, or remove its facilities and equipment, including parking spaces and areas, and other improvements made by Licensee pursuant to this Agreement which interfere with or prevent Company, in its opinion, from properly and safely constructing, improving, and maintaining its facilities. Licensee agrees to relocate, alter, or remove said facilities, equipment, parking spaces and areas, and other improvements within one (1) year of receiving notice from Company to do so. Such relocation, alteration, or removal will be made at the sole cost and expense of Licensee and at no cost and expense to Company; provided however, should Licensee, for any reason, fail to make such relocation, alteration, or removal, Company retains the right to enter upon the Lands and make said relocation, alteration, or removal of Licensee's facilities, equipment, parking spaces and areas, and other improvements and Licensee hereby agrees to reimburse Company for all of its costs and expense incurred in connection therewith upon demand.
- 3. Licensee agrees that it will not use the Lands in any manner which, in the opinion of Company, may tend to interfere with Company's use of the Lands or may tend to cause a hazardous condition to exist. Licensee agrees that no hazardous substance, as the term is defined in Section 101 (14) of the Comprehensive Environmental Response Compensation and Liability Act ("CERCLA") (42 USC Section 9601 [14]), petroleum products, liquids or flammables shall be placed on, under, transported across or stored on the Lands, which restricts, impairs, interferes with, or hinders the use of the Lands by Company or the exercise by Company of any of its rights thereto. Licensee agrees further that in the event it should create a hazardous condition, then upon notification by Company, Licensee shall, within seventy-two (72) hours, at its sole cost and expense, correct such condition or situation; provided however that the Company retains the right to enter upon the Lands and correct any such condition or situation at any time and, by its execution hereof, Licensee hereby agrees, to the extent permitted by Florida law, to indemnify and hold harmless Company from all loss, damage or injury resulting from Licensee's failure to comply with the provisions of this Agreement.

- 4. Licensee hereby agrees and covenants to prohibit its agents, employees, and contractors from using any tools, equipment, or machinery on the Lands capable of extending greater than fourteen (14) feet above existing grade and further agrees that no dynamite or other explosives shall be used within the Lands and that no alteration of the existing terrain, including the use of the Lands by Licensee as provided herein, shall be made which will result in preventing Company access to its facilities located within said Lands. Unless otherwise provided herein, Licensee agrees to maintain a forty (40) foot wide setback, twenty (20) feet on each side, from Company's facilities.
- 5. Trees, shrubs, and other foliage planted or to be planted upon the Lands by Licensee are not to exceed, at maturity, a height of fourteen (14) feet above existing grade. Licensee hereby agrees to maintain the height of all vegetation on the Lands at a height not to exceed fourteen (14) feet above existing grade.
- 6. Outdoor lighting installed or to be installed upon the Lands by Licensee are not to exceed a height of fourteen (14) feet above existing grade and all poles or standards supporting light fixtures are to be of a non-metallic material.
- 7. Sprinkler systems installed or to be installed by Licensee upon the Lands are to be constructed of a non-metallic material and sprinkler heads are to be set so the spray height does not exceed fourteen (14) feet above existing grade and does not make contact with any Company's facilities. Aboveground systems shall not be installed within or across Company patrol or finger roads and underground systems crossing said patrol and finger roads are to be buried at a minimum depth of one (1) foot below existing road grade.
- 8. Licensee agrees to warn its employees, agents, contractors and invitees of the fact that the electrical facilities and appurtenances installed or to be installed by Company within the Lands are of high voltage electricity and agrees to use all safety and precautionary measures when working under or near Company's facilities.
- 9. Licensee agrees, at all times, to maintain and keep the Lands clean and free of debris caused by Licensee, its agent employees, contractors, sub-contractors and invitees.
- 10. The use of the Lands by Licensee shall be at the sole risk and expense of Licensee, and Company is specifically relieved of any responsibility for damage or loss to Licensee or other persons resulting from Company's use of the Lands for its purposes.
- 11. Notwithstanding any provision contained herein, Licensee agrees to reimburse Company for all cost and expense for any damage to Company's facilities resulting from Licensee's use of the Lands and agrees that if, in the opinion of Company, it becomes necessary as a result of Licensee's use of the Lands for Company to relocate, rearrange or change any of its facilities, to promptly reimburse Company for all cost and expense involved with such relocation, rearrangement or change.
- 12. Licensee agrees it will exercise its privileges hereunder at its own sole risk and agrees to indemnify (subject to the limitations of Section 768.28 of Florida Statutes) and save harmless Company, its parent, subsidiaries, affiliates, and their respective officers, directors, agents and employees (hereinafter referred to as "FPL Entities"), from all liability, loss, cost, and expense, including attorneys' fees, which may be sustained by FPL Entities to any person, natural or artificial, by reason of the death of or injury to any person or damage to any property as permitted by Florida law arising out of or in connection with the herein described purposes by Licensee, its contractors, agents, or employees; and Licensee agrees to defend at its sole cost and expense and at no cost and expense to FPL Entities any and all suits or action instituted against FPL Entities, for the imposition of such liability, loss, cost and expense.
- 13. Licensee is self-insured and will provide Company with letter confirming such self insurance in form reasonably satisfactory to FPL's Risk Management Department. Licensee shall, during the period of this Agreement, cause its contractors to maintain at such contractor's sole expense a liability policy with minimum limits of \$2,000,000 for bodily injury or death of person(s) and \$2,000,000 for property damage arising out of a single occurrence. Licensee's contract with such contractors shall include a provision that the contractors agrees to exercise its privileges hereunder at its own sole risk and agrees to indemnify and save harmless Licensee and Company, its parent, subsidiaries, affiliates, and their respective officers, directors, agents and employees (the latter being hereinafter referred to as the "FPL Entities"), from all liability, loss, cost, and expense, including attorneys' fees, which may be sustained by FPL Entities to any person, natural or artificial, by reason of the death of or injury to

any person or damage to any property, whether or not due to or caused by the negligence of FPL Entities, arising out of or in connection with the herein described purposes; and contractor agrees to defend at its sole cost and expense and at no cost and expense to FPL Entities any and all suits or action instituted against FPL Entities, for the imposition of such liability, loss, cost and expense. Contractor's indemnity obligation per occurrence shall not exceed the sum of Two Million Dollars (\$2,000,000.00) for claims arising from a single occurrence. The limits of contractor's indemnity obligations under this section shall not apply to or limit contractor's responsibility for attorneys' fees and costs. The selection of counsel by contractor or by its insurer to represent and defend the FPL Entities shall be subject to the prior written approval of Company. Contractor's obligations under this Section shall survive expiration or other termination of this agreement between contractor and Licensee.

All such policies of insurance shall be endorsed to insure against obligations assumed by contractor in the indemnity. A certificate of insurance shall be furnished to Company evidencing that said policy of insurance is in force and will not be cancelled or materially changed so as to affect the interests of FPL Entities until ten (10) days written notice has been furnished to Company. Upon request, copies of policies will be furnished to Company. Licensee understands and agrees that the use of the Lands for the purposes described herein is expressly contingent upon acceptance and compliance with the provisions contained herein.

- 14. This Agreement will become effective upon execution by Company and Licensee and will remain in full force and effect until completion of Licensee's use of the Lands pursuant to this Agreement, unless earlier terminated upon ninety (90) days written notice by Company to Licensee, or at the option of Company, immediately upon Licensee failing to comply with or to abide by any or all of the provisions contained herein.
- 15. The use granted herein as shown on Exhibit "A" shall be under construction by Licensee within one (1) year of the effective date of this Agreement and the construction shall be diligently pursued to completion. Licensee shall give Company ten (10) days prior written notice of its commencement of construction. "Under construction" is the continuous physical activity of placing the foundation or continuation of construction above the foundation of any structure or improvement permitted hereunder. Under construction does not include application for or obtaining a building permit, a site plan approval or zoning approval from the appropriate local government agency having jurisdiction over the activity, purchasing construction materials, placing such construction materials on the site, clearing or grading the site (if permitted) in anticipation of construction, site surveying, landscaping work or reactivating construction after substantially all construction activity has remained stopped for a period of two (2) months or more. Licensee acknowledges that failure to have the use under construction within the one (1) year time period will result in immediate termination of this Agreement in accordance with Paragraph 14 herein for failing to comply with the provisions contained herein unless Licensor grants a written extension for a mutually agreed upon time. Any request for an extension of time shall be submitted in writing by Licensee no later than thirty (30) days prior to the expiration of the one (1) year period for the project to be under construction.
- 16. The term "Licensee" shall be construed as embracing such number and gender as the character of the party or parties require(s) and the obligations contained herein shall be absolute and primary and shall be complete and binding as to each, including its successors and assigns, upon this Agreement being executed by Licensee and subject to no conditions precedent or otherwise.
- 17. Should any provision of this Agreement be determined by a court of competent jurisdiction to be illegal or in conflict with any applicable law, the validity of the remaining provisions shall not be impaired. In the event of any litigation arising out of enforcement of this Consent Agreement, the prevailing party in such litigation shall be entitled to recovery of all costs, including reasonable attorneys' fees.
- 18. Licensee may assign its rights and obligations under this Agreement to a solvent party upon prior written consent of the company, which consent shall not be unreasonably withheld.

The parties have executed this Agreement this	day of	, 2008.
Witnesses:	FLORIDA POWER	& LIGHT COMPANY
	_ By:	
Signature: Print Name:	Its: <u>Corporate Real Es</u> Print Name: <u>J. T. Cors</u>	
Signature: Print Name:	-	
	LICENSEE:	
ATTEST:	BOARD OF COUNT SEMINOLE COUN	Y COMMISSIONERS FY, FLORIDA
	By:	
MARYANNE MORSE Clerk to the Board of	BRENDA CARE	EY, Chairman
County Commissioners of Seminole County, Florida	Date:	
For the use and reliance	As authorized for exec	cution by the Board of County
of Seminole County only.		, 2008, regular
Approved as to form and legal sufficiency.		
County Attorney		

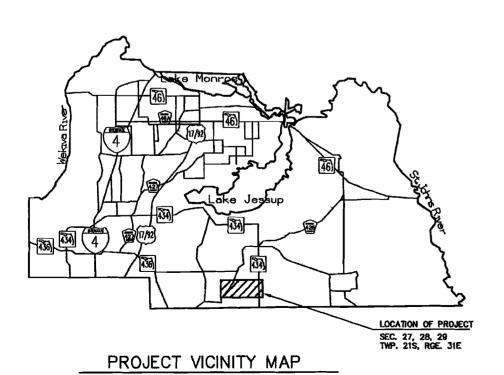
Construction Plans for

CONSUMER / LAKE HAYES 24-INCH WATER TRANSMISSION MAIN-PHASE II

Prepared for

SEMINOLE COUNTY ENVIRONMENTAL SERVICES DEPARTMENT





BEGIN PROJECT END PROJECT UNIVERSITY BLY

SEMINOLE COUNTY BOARD OF COUNTY COMMISSIONERS

> Bob Dallari District 1

Brenda Carey District 5.

Michael McLean District 2

Dick Van Der Weide District 3

Carlton D. Henley District 4

CIP NUMBER: 0168801

PEPTEMBER, 2007

PROJECT LOCATION MAP

PLANS PREPARED BY:

1685 Lee Road, Suite 100, Winter Park, Florida 32789 (407) 894-3804 FAX (407) 894-3805 www.rockettengineering.com

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN CHANGED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

R. KENT VEECH, P.E. SEPTEMBER, 2007 54101

ENGINEER'S PROJECT No. 106048,002

INDEX OF DRAWINGS

COVER SHEET

DRAWING INDEX, LEGEND, ABBREVIATIONS AND UTILITY CONTACTS

GENERAL NOTES

KEY MAP

REVISION

5-20 PLAN & PROFILE

CONSTRUCTION DETAILS

UTILITY	COMPANY	TELEPHONE
ELECTRIC	PROGRESS ENERGY	(407) 7725305
	FLORIDA POMER & LIGHT COMPANY	(305) 442-5988, 1 800 432 4770
	FPC-PROGRESS ENERGY FLORIDA, INC. (DISTRIBUTION)	
	FPC-PROGRESS ENERGY FLORIDA, INC. (TRANSMISSION)	
WATER/SEWER	ALAFAYA UTILITIES, INC.	(407) 869-8588
	CITY OF ORLAHOO-BUREAU OF WASTEWATER	(407) 246-3824
	CITY OF OVIEDO	(407) 971-5659
-	SEMINOLE COUNTY ENVIRONMENTAL SERVICES DEPT.	(407) 865-2760
TELEPHONE	BELLSOUTH TELECOMMUNICATIONS	(407) 273-5084
	EMBARO COMMUNICATIONS INC.	(407) 830-3458
	ATET	(770) 918-5424
CABLE TV	BRIGHT HOUSE NETWORKS	(407) 532-8509
GAS	FLORIDA PUBLIC UTILITIES-GAS	(386) 668-9319
	TECO-PEOPLES GAS SYSTEM	(407) 428-6609 EXT. 216
TRAFFIC	SEMINOLE COUNTY TRAFFIC ENGINEERING DEPARTMENT	(407) 865-5677
	SUNSHINE STATE ONE CALL OF FLORIDA (SSOCOF)	811
NOTE: THIS LISTING	IS PROVIDED AS AN AID TO THE CONTRACTOR. LITLINE TO HAVE FACILITIES WITHIN THE GENERAL LOCATION OF	S USTED ARE THOSE WHICH

APPROVED:

R. Kent Veech, P.E. FLA. NO. 54101 CIVIL DISCIPLINE

CHECKED VAR

KENT VEECH
BY APPR'D PROJECT MANAGER

LEGEND

			-,
WATER VALVE	闷	SPRINKLER HEAD	Ö
SEWER VALVE	×	SIGNAL CONTROL BOX	3CC
GAS VALVE	Ø	TRAFFIC SIGNAL BOX	(1 <u>5:9</u>
WATER YALVE	M	ELECTRIC RISER	6
IRRIGATION CONTROL VALVE	Ä	gas marker	6)
EXIST, SANITARY WANHOLE	⑤	PHONE MARKER	3
EXIST, UTILITY MANHOLE	0	PHONE JUNCTION BOX	PH
EXIST. TELEPHONE MANHOLE	(Ť)	ELECTRIC JUNCTION BOX	EAB
EXIST, W.E.S.	Œ	EXIST. ELECTRIC OUTLET	EO
FIRE HYDRANT	Ħ	CABLE TV BOX	CIA
CATCH BASIN	ŽŽ.	CONC. POWER POLE	-74.,
CURB INLET		TRANSFORMER	3
CURB INLET	~~~	PHONE CABINET	(FC)
WOOD UTILITY POLE	ഗ	STEEL SIGN POST	~()-
GUY ANCHOR)	CONC. PAD W/STEEL SIGN	POST -4-
TRAFFIC SIGN	-o-	PAINT MARK BY UTILITY O	WHER P
DRAINAGE MANHOLE	0	RIGHT OF WAY LINE	
ELECTRIC METER	EW	EASEMENT LINE	
WATER METER	MM.	WATER MAIN	v
GREASE TRAP	(ii)	GRAVITY SEWER	5 <i>c</i> ,
TELEPHONE RISER	€	GAS MAIN	
STREET LIGHT	÷	FORCE MAIN	r*
FLOOD LIGHT	€	EXIST. REUSE WATER MAIN	4w
CONC. PAD AND POLE W/LIGHT MAST	E	OVERHEAD UTILITY	Gq.J
BACKFLOW PREVENTER	区(<u>)</u>	UNDERGROUND ELECTRIC	UE
REDUCER	M	FIBER OPTIC CABLE	
TEE	দ	EXIST. DRAINAGE PIPE	D
CAP	3	BURIED ELECTRIC LINE	
CHAIN LINK FENCE LINE		CABLE TV LINE	CTV
WOOD FENCE LINE	·		

TREE SYMBOLS

PINE TREE (SIZE AS SHOWN)

OAK TREE (SIZE AS SHOWN)

PALM TREE (SIZE AS SHOWN)

SAGO TREE (SIZE AS SHOWN)

SURVEY SYMBOLS

@ FOUND NAIL & DISC

TRAVERSE POINT SET HAIL & DISC LB #3481

ABBREVIATIONS

APPR'D	APPROVED	OHW	OVERHEAD WIRES
BLVD.	BOULEVARD	PG,	PAGE
CONC	CONCRETE	PLS	PROFESSIONAL LICENSED SURVEYOR
ELEV.	FLEVATION	W29	PROFESSIONAL SURVEYOR & MAPPI
		PVC	POLY VINYL CHLORIDE PIPE
FB.	FIELD BOOK	RCP	RENFORCED CONCRETE PIPE
FM	FORCE MAIN	R/W	RIGHT-OF-WAY
INV	INVERT	-	
IRC	IRON ROD & CAP	TBM	TEMPORARY BENCH MARK
₽	IRON PIPE	*/	МТН
LB	LICENSED BUSINESS	Ł	ONA
NO.	NUMBER	TV	TELEVISION
N:	NORTHING	MON.	MONUMENT
E:	EASTING	(c)	CALCULATED
ASP	ASPHALT	(0)	DEED
STA:	STATION	(F)	FIELD
P.B.	PLAT BOOK	(P)	PLAT
R	IRON ROD	L	LEFT
FND.	FOUND	R	RIGHT
CHP	DUCTILE IRON PIPE		

/R&A ROCKETT & ASSOCIATES
CONSULTING/CIVIL ENGINEERS & SURVEYORS (COA 3461) SEMINOLE COUNTY ENVIRONMENTAL SERVICES DEPARTMENT

CONSUMER / LAKE HAYES
WATER TRANSMISSION MAIN - PHASE II

DRAWING INDEX, LEGEND, ABBREVIATIONS AND UTILITY CONTACTS

PROJECT NO. 9-4-07 106048.002 SHEET NO. NONE

- ALL AREAS WHERE LANDSCAPING OR SOO HAS BEEN REMOVED OR DISTURBED BY CONTRACTOR'S OPERATIONS SHALL BE LANDSCAPED OR RESOLDED TO RESTORE TO ORIGINAL OR BETTER
- ALL PUBLIC AND PRIVATE PROPERTY DISTURBED BY THIS WORK SHALL BE RESTORED TO A CONDITION EXISTING BEFORE COMMERCING CONSTRUCTION WORK.
- HILETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDMENT UNTIL THE COMPLETION OF ALL CONSTRUCTION OFERATIONS. EROSION CONTROL AT ALL INIET DRAINES STRUCTURES DURING CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH FIDT INDEX NO. 102.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL NEWLY PLANTED GRASS OR VEGETATION LINTIL THE PROJECT HAS BEEN ACCEPTED BY THE COUNTY AND FINAL PAYMENT
- THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AT ALL INTERSECTIONS OF PROPOSED WORK AND CUSTING UTILITIES. THE CXPLORATORY EXCAVATION SHALL BE MADE 48 HOURS OR 1,000 FEET IN ADVANCE OF THE WORK, WHICHEVER IS GREATER. IF THERE IS A CONFLICT, THE CONTRACTOR IS TO NOTIFY THE ENGINEER MAMERIATELY. UNFORMATION ON THE OBSTRUCTION TO BE FURNISHED BY THE CONTRACTOR SHALL INCLUDE LOCATION, ELEVATION, UTILITY TYPE, MATERIAL AND SIZE.
- CONTRACTOR SHALL NOT ENCROACH ONTO PRIVATE RESIDENTIAL PROPERTY AND SHALL MAINTAIN
 CONSTRUCTION WITHIN THE RIGHT-OF-WAY AND UTILITY EASEMENTS.
- ALL EXCAVATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE TRENCH SAFETY ACT. EXCESS EARTHMORK MATERIALS SHALL BE THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERTY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SUPPORT OF UTILITY POLES AND COORDINATION OF SUCH WITH UTILITY OWNERS.
- WHEN REPILLING EXCAVATED TRENCHES/PITS IN UNIPAVED AREAS, THE CONTRACTOR SHALL ENDEAVOR TO REPLACE THE SOIL SO THAT THE ORIGINAL ORGANIC SURFACE IS RESTORED AS LIUCH AS POSSIBLE. WHERE IT IS NOT POSSIBLE TO REPLACE THE ORGANIC SURFACE, THE CONTRACTOR WILL ENSURE THE RESTORED SURFACE SOIL DOES NOT HAVE A HIGH PERCENTAGE
- CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES TO HAVE ALL UTILITIES
 FIELD LOCATED PRIOR TO CONSTRUCTION. UTILITY LOCATIONS SHOWN ON THE PLANS ARE
 APPROXIMATE AND ARE BASED ON BEST AVAILABLE INFORMATION.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPAIRING ANY DAMAGE TO UTILITIES CAUSED BY THE WORK.
- 13. UNDER NO CIRCUMSTANCES SHALL THE ACTIVITIES OF THE CONTRACTOR CAUSE ANY INTERRUPTIONS TO THE SERVICE OPERATION OF EMSTING UTILITIES WITHOUT WRITTEN AUTHORIZATION FROM THE UTILITY OWNER. IN CASE OF ANY ACCIDENTAL INTERRUPTION OF WATER, SEWER AND POWER SERVICES TO THE RESIDENCES, THE CONTRACTOR SHALL HAVE THES SERVICES RESTORED WITHIN 4 HOURS. IN CASE OF ANY ACCIDENTAL INTERRUPTION OF CABLE AND PHONE TO THE RESIDENCES, THE CONTRACTOR SHALL HAVE THESE SERVICES RESTORED WITHIN 24 LIVIDES.
- 14. TEMPORARY AIR RELEASE STATIONS SHALL BE INCLUDED AS NECESSARY TO ALLOW ALL ENTRAPPED AIR TO BE REMOVED FROM THE LINES DURING FILLING AND PRIOR TO PRESSURE A FAKAGE TESTING.
- ALL PIPES SHALL BE PRESSURE TESTED AND LEAK TESTED IN ACCORDANCE WITH AWWA STANDARD C-600, C-605 AND THE SPECIFICATION SECTION 01 91 00.
- 18. UTILITY SEPARATION: SEPARATION REQUIREMENTS BETWEEN POTABLE WATER MAINS AND ANY TYPE OF RELISE MAINS IS 3 FEET HORIZONTAL (OUTSIDE OF PIPE TO OUTSIDE OF PIPE) AND 12 HICKES VERTICAL CLEARANCE, WITH WITIGATION ALLOWED WHEN APPROVED IN ADVANCE BY THE COUNTY.
- 17. ALL PIPING SHALL BE RESTRAINED IN ACCORDANCE WITH THE RESTRAINED JOINT TABLE INCLUDED IN THE DRAWNIGS.
- 18. THE CONTRACTOR SHALL RESTORE ALL DISTURBED MATERIALS INCLIDING LANDSCAPING, WATER SERVICES, DRIVEWAYS, SIDEWALKS, MALBOXES, SHRUBS, STREET SIGNS AND OTHER EXISTING FEATURES. PERSONAL PROPERTY WHINN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED BY THE CONTRACTOR AS REQUIRED TO COMPLETE THE WORK. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS OF REMOVAL REQUIREMENT A MINIMUM OF 72 HOURS PRIOR TO COMMERCIAN REMOVAL PROPERTY SHALL BE RESTORED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION WITHIN THE AREA.
- 19. WHERE A CONNECTION IS TO BE MADE IN THE FIELD TO AN EXISTING PIPE, THE CONTRACTOR SHALL EXCAVATE IN THE AREA TO VERIFY THE TYPE OF PIPE AND THE PIPE SIZE, AND OBTAIN THE COUNTY'S APPROVAL OF THE PROPOSED METHOD OF CONNECTION PRIOR TO ORDERING AND INSTALLING MATERIALS.
- 20. CONTRACTOR TO SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO THE COUNTY FOR APPROVAL PROBE TO THE START OF CONSTRUCTION. CONSTRUCTION SHALL NOT BEGIN WITHOUT AN APPROVED MAINTENANCE OF TRAFFIC PLAN.
- WHERE FITTINGS AS SHOWN ON THE DRAWINGS ARE UNAVAILABLE OR REQUIRE LONG LEAD TIMES, CONTRACTOR MAY SUBSTITUTE A COMBINATION OF FITTINGS TO MAINTAIN THE INTERN OF THE DRAWINGS. ANY SUBSTITUTIONS REQUIRE THE APPROVAL OF THE ENGINEER AND THE COUNTY.
- CONTRACTOR TO MODIFY POTABLE WATER SERVICES TO ADD A BACKFLOW PREVENTION DEVICE AND RECONNECT TO EXISTING SERVICE (SEE CONSTRUCTION DETAIL SHEETS).

TREE PRESERVATION NOTES:

- CONTRACTOR SHALL NOT REPACT EXISTING TREES DURING CONSTRUCTION. THE CONTRACTOR SHOULD CONSIDER EVERY PRACTICAL ALTERNATIVE TO AVOID IMPACTING
- CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR PROPER TREE PROTECTION FOR THE BROJECT. ALL TREE PROTECTION SHALL BE APPROVED BY THE COUNTY PROR TO THE START OF CONSTRUCTION.
- IF EQUIPMENT MUST BE DRIVEN OR PLACED WITHIN 3 FEET OF ANY TREE, THE TREE MUST BE PADDED. PADDING SHALL BE PLACED AROUND THE TRUMK FROM THE GROUND TO A HIGHT GREATER THAN THE COMPRIENT TO BE PARKED OR MOVED. PADDING SHALL CONSIST OF A MUMBRUM OF 5 LAYERS (1/8 BUCH MUMBRUM PER LAYER) OF CORRUGATED CARDBOARD. CARDBOARD SHALL BE SECURED WITH THE WRAPS OR SIMILAR.
- SUCCESSFUL TREE PROTECTION DEPENDS ON QUALITY BARRICADES THAT REMAIN IN PLACE THROUGHOUT THE PROJECT.
 - A. TREE PROTECTION BARRICADES AS SHOWN ON THE PLANS SHALL BE CONSTRUCTED AS FOLLOWS: BARRICADE MATERIAL SHALL BE A MINIMUM OF HEAVY DUTY 4 FOOT TALL, MIGH-WISBELTY GRANGE MY STABILIZED UTILITY BARRIER FENCING. FENCING SHALL BE HELD IN PLACE WITH 8 FOOT MICH STEEL FENCE/SICH POSTS OR 8 FOOT PRESSURE FREATED WOODEN ZOZ POSTS AND PLASTIC OR WIRE TE-WRAPS. STAKES SHALL BE PLACED A NAXIMUM OF 8 FEET ON COTHER. ALL BARRICADES SHALL BE FLILLY ENCLOSED ALLOWING NO ACCESS INSIDE THE BARRICADE.
 - ERECT AN 11"X17" WEATHER-PROOF SIGN THAT STATES "TREE PROTECTION AREA DO NOT CROSS". SIGNS SMALL BE PLACED ON THE MORTH AND SOUTH SIDE OF EACH BARRICADE. SIGNS SMALL BE EMECTED ON A MINMAUM OF EVERY 5TH BARRICADE OR EVERY 200 FEEL WHICHEVER IS LESTED.
 - C. BISTALL AND MAINTAIN ALL BARRICADES IN A NEAT AND ORDERLY FASHION. FEMCING SHALL BE KEPT SQUARE AND TIGHT AND NOT BE ALLOWED TO SAG OR LOOK UNSIGHT.V.
 - D. DEWATIONS IN BABRICADE PLACEMENTS ARE ALLOWED TO FOLLOW NATURAL OR MAN-MADE CONTOURS (PAYED AREAS, ETC.) PROVIDED THAT BARRICADES ARE MADE TO COVER THE PRESCRIBED SOULARE FOOTAGE AWAY FROM THE DEVIATIONS. BARRICADED AREAS CAN BE MADE LARGER THAN SHOWN ON THE PLAN AND/OR CAN BE GROUPED TOOCTHER F DESIRED. HOWEVER, BE SURE TO LEAVE SUFFICIENT CONSTRUCTION ACCESS SPACE BECAUSE BARRICADES CAN NOT BE MOVED ONCE CONSTRUCTED.
 - E. QUESTIONS REGARDING BARRICADE PLACEMENT SHALL BE ADDRESSED TO THE COUNTY AND THE ENGINEER.

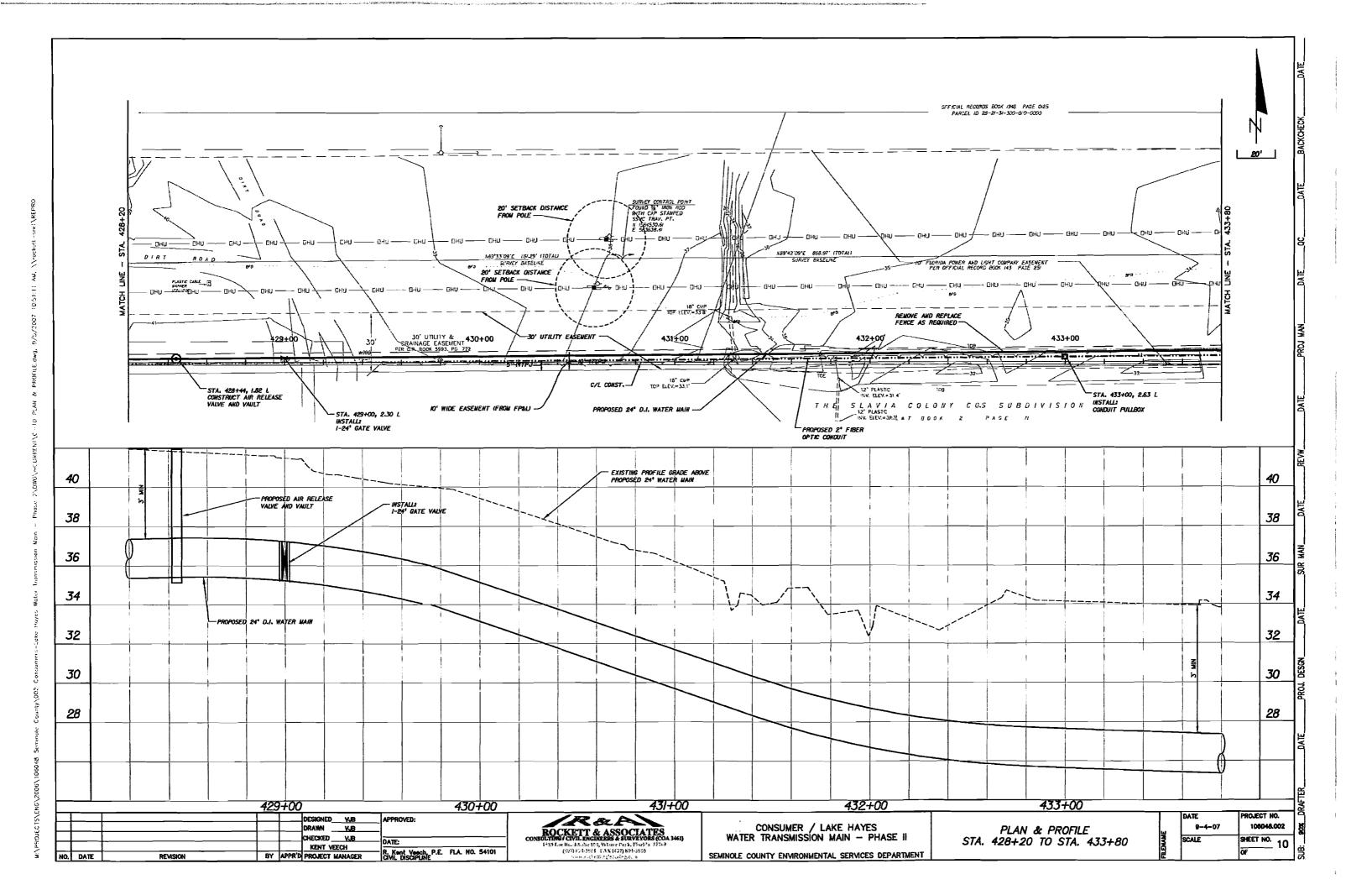
					DESIGNED VJB DRAWN VJB	APPROVED:	_
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NO.	DATE	REVISION	84	APPR'D	PROJECT MANAGER	R. Kent Veech, P.E. FLA. NO. 54101 CIVIL DISCIPLINE	

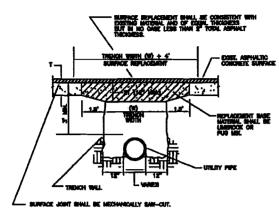


CONSUMER / LAKE HAYES WATER TRANSMISSION MAIN - PHASE II SEMINOLE COUNTY ENVIRONMENTAL SERVICES DEPARTMENT

GENERAL NOTES

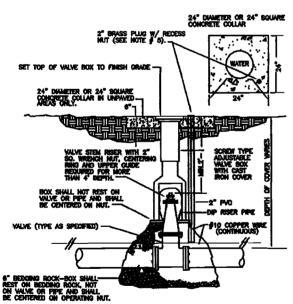
POLICE NO 106048,002 9-4-07 SCALE SHEET NO. 3 NONE





NOTES:

STANDARD ROADWAY OPEN CUT DETAIL



- IN VALVE COMER TO BE ROLAND AND MARKED WATER OR SEWER

 2. WALVES SHALL NOT BY LOCATED IN STREET CURBS.

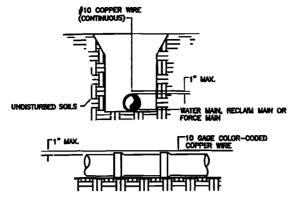
 3. FOR RESER EXTENSIONS SEE REQUIREMENTS IN SECTION 62.11.

 4. WALVE COMES WHAL IS PARKED BLAS FOR MARKE AND GREEN FOR SEWER.

 6. LOCATION WINE ACCESS- 2° SCHEDILLE SO PAG, FERMER AMPTION COUPLING AND 2° BROWS FILE MY REDESSED NUT. TERMINATE RESULTED, SOLD

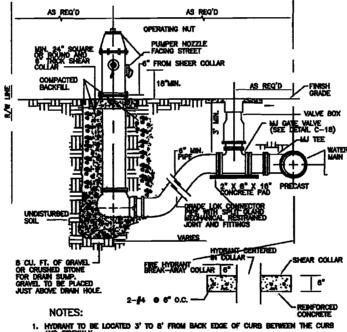
 10. GLAGE COPPER LOCATION WINES AT TOP W/ 12° OF EXTRA WARE.

VALVE & VALVE BOX DETAIL

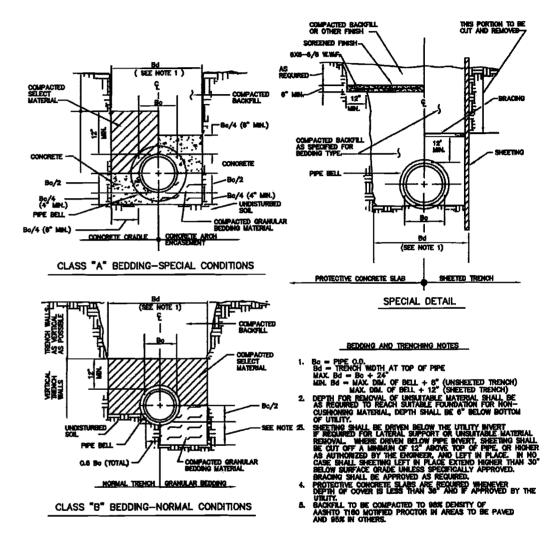


- 1. LOCATING WIFE SHALL BE BURNED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE.
- COCATING MISE SHAFT SEE SCHAPEL STANDER OF RELIGION
- 4. LOGATING WIRE IS NOT REQUIRED FOR GRAVITY SEWER.

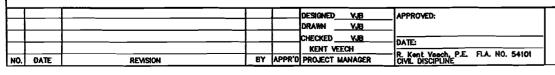
PIPE LOCATING WIRE



FIRE HYDRANT ASSEMBLY



PIPE BEDDING AND TRENCHING DETAILS





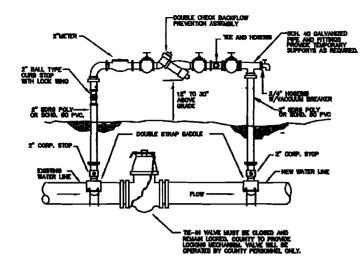
CONSUMER / LAKE HAYES WATER TRANSMISSION MAIN - PHASE II

SEMINOLE COUNTY ENVIRONMENTAL SERVICES DEPARTMENT

CONSTRUCTION DETAILS

9-4-07 106048.002 N.T.S.

SHEET NO. 21



- A TEMPORARY JUMPER CONNECTION IS REQUIRED AT ALL CONNECTIONS
 BETWEEN EXISTING ACTIVE WATER MAINS AND PROPOSED NEW WATER
 MAIN TEMPORAL SERVICE.

- FLUSHING OF 10" DIAMETER AND LARGER WATER MAINS MAY BE DONE THROUGH THE TIE-IN VALVE UNDER VERY CONTROLLED CONDITIONS.
- - FLUSHING SHALL NOT BE ATTEMPTED DURING PEAK DEMAND HOURS OF THE EXISTING WATER MADES
- ALL DOWNSTREAM VALVES IN THE NEW SYSTEM MUST BE OPEN PRIOR TO OPENING THE TE-W VALVE.
- PROVIDE FOR AND MONITOR THE PRESSURE AT THE TE-IN POINT. THE PRESSURE IN THE EXISTING MAIN MUST NOT DROP BELOW 35 PG.
- TE-IN VALVE SHALL BE OPENED A FEW TURNS ONLY, ENSURING A PRESSURE DROP ACROSS THE VALVE IS ALWAYS OFFENER THAN 10 PS.
- C. THE TE-IN VALVE SHALL BE LOCKED CLOSED BY THE UTILITY COMPANY UNTIL FLUSHING BECKES.

- 5.
- ALL INSTALLATION AND MAINTENANCE OF THE TEMPORARY JUMP CONNECTION AND ASSOCIATED BACKFOW PREVENTION DEVICE FITTINGS, VALVE, ETC., SHALL BE THE RESPONSIBILITY OF THE

TEMPORARY JUMPER CONNECTION

MIMIMUI TO BE INS	LENGTH (DF REST	RAINED SIDE OF	PIPE FITTING	;	
FITTINGS		PIPE	SIZE (IN	CHES)	_	
	10*	12"	16*	20°	24"	30
90^ BENO	48	52	66	80	92	110
45 [^] 8ENO	23	26	33_	40	46	55
22 1/2^ 8010	12	13	17	20_	23	28
11 1/4° BOID	8_	7	9	10	12	.14
BRANCH OF TEE	82	97	126	153	180	216
DEAD ENDS	84	100	130	156	184	221

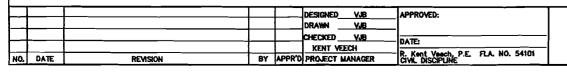
- HOTES: 1. INSTALL FULL LENGTH JOINTS WITH TOTAL NUMBER OF JOINTS EQUAL TO OR GREATER THAN SHOWN IN THE TABLE AND FOR THE TOTAL EQUIVALENT LENGTH REQUIRED.
 - WHERE TWO OR MORE FITTINGS ARE TOGETHER USE FITTINGS WHICH YIELD THE GREATEST MUMBER OF RESTRAINED JOINTS.

 - CONTRACTOR SHALL SUBJECT FOR REVIEW AND CONJUNCT, DRAWINGS FOR RESTRAINED JOINT SYSTEM.
 ENGINEER APPROVED SHOP SRAWINGS TO BE SUBJECTED TO THE COUNTY.
 - 4. THE ABOVE REQUIREMENTS WERE CALCULATED IN ACCORDANCE WITH "THRUST RESTRAINT FOR DUCTILE IRON PIPE," SECOND EDITION, 1997, PUBLISHED BY DIPRA, WITH THE FOLLOWING

FOR DUCILE HOW PAPE, "SECOND
ASSUMPTIONS:
LAYING CONDITION: 3
MANUALLY COVER: 3 FT
SOIL CONDITIONS: SAND/SILT
SAFETY FACTOR: 1.5
TEST PRESSURE: 150 PSI

- IF FIELD CONDITIONS DIFFER FROM THE ABOVE, CONTRACTOR SHALL NOTIFY ENGINEER.
- THE RESTRAINED JOINT LENGTHS CALCULATED ABOVE FOR BEINDS WERE FOR BEINDS IN THE HORIZONTAL DIRECTION OR VERTICAL UP DIRECTION. IF A BEIND IS ORIENTED IN THE VERTICAL DOWN POSITION, THE RESTRAINED JOINT LENGTH CALCULATED ABOVE FOR THAT BEIND SHALL BE MULTIPUED BY 2.5.
- 6. THE JOINTS ON THE RUN OF ALL TEES SHALL BE RESTRAINED.

PIPE RESTRAINT SCHEDULE

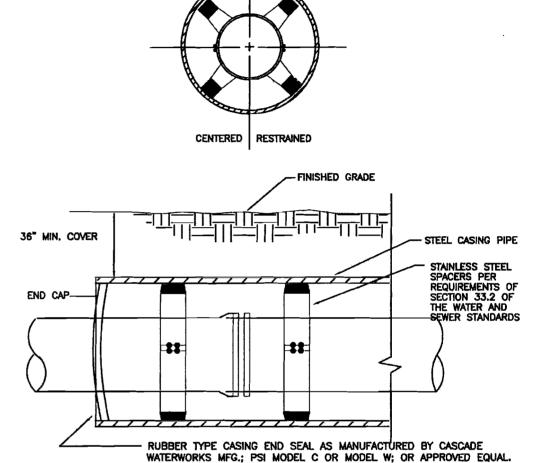




CONSUMER / LAKE HAYES
WATER TRANSMISSION MAIN - PHASE II

CONSTRUCTION DETAILS

8-4-07 106048.002 SHEET NO. <u>.</u> 22 N.T.S.



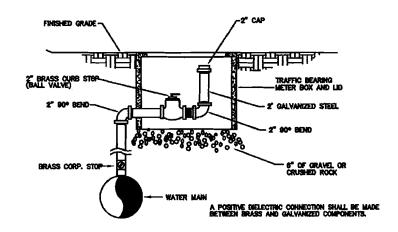
NOTES: 1. CASING TO EXTEND 4' MIN. EACH SIDE OF PAVEMENT. FOR CASING SIZE SEE SECTION 33.2 OF THE SEMINOLE COUNTY WATER AND SEWER STANDARDS.

- 2. CARRIER PIPE SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE WAIVED BY THE MANAGER, DEPENDING ON THE LENGTH OF CASING.
- 3. CASING TO BE SIZED PER REQUIREMENTS OF SECTION 33.2 OF THE
- 4. PLACEMENT OF SPACERS SHALL BE REQUIRED PER THE MANUFACTURER'S SPECIFICATIONS.

BORING AND JACKING DETAIL

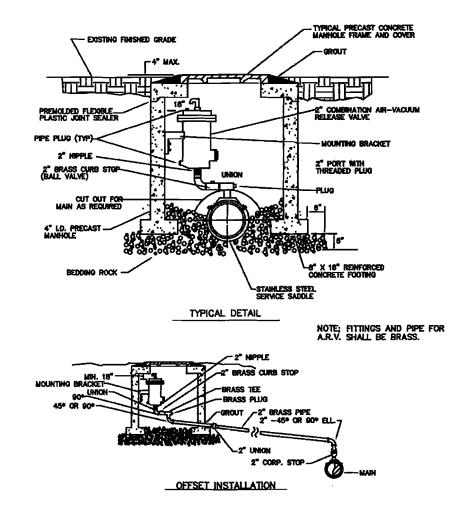
SEMINOLE COUNTY ENVIRONMENTAL SERVICES DEPARTMENT

STEEL CASING PIPE -



FIRE HYDRANTS ARE HIGHLY PREFERABLE TO IN LINE BLOW-OFF VALVES IN DEVELOPED AREAS.

BLOW-OFF / IN LINE



AIR/YACUUM RELEASE DETAILS

			DESIGNEDVJB	APPROVED:
			DRAWN VAB	
			CHECKED VJB	DATE:
			KENT VEECH	
NO. DATE	REVISION	BY AF	PR'D PROJECT MANAGER	R. Kent Vesch, P.E. FLA. NO. 54101 CIVIL DISCIPLINE



CONSUMER / LAKE HAYES
WATER TRANSMISSION MAIN - PHASE II

CONSTRUCTION DETAILS

П		DATE	PROJECT NO.
	≦	9-4-07	105048.002
l	36	SCALE	SHEET NO. 23
ı	51	N.T.S.	OF

